(April 4, 2005)

Cable Barrier

Materials shall meet the following requirements:

Cable

The cable shall be ¾ inch wire rope manufactured in accordance with AASHTO M-30, Type I, Class A coating. The cable will be accepted by the Engineer based on a Manufacturer's Certificate of Compliance.

Posts

Posts shall meet the requirements of Section 9-16.3(2) for steel posts. The posts may be accepted by the Engineer based on a Manufacturer's Certificate of Compliance.

Compensating Devices

Compensating devices shall have a spring rate of 450± 50 lbs per inch and a total available throw of 6 inches. The spring shall develop a minimum compressed strength of 27,000 pounds and shall be made from 9/16 inch diameter steel wire with a minimum breaking strength of 25,000 pounds. Compensating devices may be accepted by the Engineer based on a Manufacturer's Certificate of Compliance.

Hardware

All fittings shall be designed to develop the tensile strength of the 3/4 inch wire rope (25,000 lbs). Wedge type cable socket fittings shall be of the open end type and shall permit visual inspection of the cable end and wedge after installation. Hook bolts shall develop a minimum pull open strength of 500 pounds applied in the direction normal to the longitudinal axis of the post. Hook bolts shall conform to the requirements of ASTM A307. Malleable iron fittings shall conform to Section 9-06.10 and be grade 350-18. Hardware and hook bolts may be accepted by the Engineer based on Manufacturer's Certificates of Compliance.